

56th St. & Earll Water Quality Assurance Revolving Fund (WQARF) Site

BACKGROUND

A 14-acre industrial facility located at the northwest corner of 56th Street and Earll Drive in Phoenix has been in operation since 1951. Operations at the facility included electronic assembly and semiconductor production. The facility was converted to office space in 1982. During the operation of the facility, solvents and metals were released to the environment. Potentially impacted soils at the facility have been cleaned up or removed. Other commercial or industrial operations in the area may also have released solvents to the environment. There is a contaminated groundwater plume located in the vicinity of the site at 56th Street and Earll Drive. The site is bounded approximately to the north by Earll Drive, to the south by McDowell Road, to the east by 56th Street, and to the west by 36th Street (see attached map).

The site was originally investigated in conjunction with the Motorola 52nd Street National Priorities List (NPL) site. However, groundwater data indicates that there are two separate and distinct areas of contamination. Therefore, the site was disassociated from the larger Motorola 52nd Street NPL site in 1989.

Subsequently, the Arizona Department of Environmental Quality (ADEQ) has continued to collect data regarding the site and a Water Quality Assurance Revolving Fund (WQARF) Preliminary Investigation was completed in 2003. This site has been placed on the registry as of June 2, 2004.

WHAT ABOUT THE WATER?

ADEQ has issued numerous environmental updates to the community around the sites over the last several years, emphasizing that drinking water is not affected by the groundwater contamination. There are no drinking water production wells within the boundaries of the site. **If you receive your drinking water from the City of Phoenix, your current drinking water is not affected by the groundwater contamination at the site.** The drinking water supplied by the City of Phoenix meets all federal and state drinking water standards.

WHAT ARE THE PLANS FOR THE SITE?

ADEQ listed this site on the WQARF Registry on June 2, 2004. The site score for this facility was 40 out of 120. Investigation and future cleanup work at the site is being managed by the WQARF Program, also known as the State Superfund Program. The facility has been undergoing source investigations and cleanup since 1985, however, investigations of additional facilities may be required. After further investigations, ADEQ will determine the appropriate cleanup method for the site.

WHAT CONTAMINANTS ARE ON THE SITE AND WHAT ARE THE HEALTH RISK ASSOCIATED WITH THEM?

Groundwater at the site is contaminated with volatile organic compounds (VOCs), specifically a solvent called trichloroethylene (TCE). This man-made solvent is commonly used in metal degreasing operations. TCE is present in the groundwater at levels that exceed the Arizona Aquifer Water Quality Standards (AWQS) of five micrograms per liter ($\mu\text{g/L}$). Arsenic was also found in private irrigation wells near the site at levels that exceed the AWQS of 50 $\mu\text{g/L}$. At this time, it is not known if the arsenic is naturally occurring or is contamination from the site.

People who drink water containing TCE, PCE or arsenic in excess of the regulatory levels over many years could experience problems with their liver and may have an increased risk of cancer. The contaminated groundwater in this area is not used for drinking water. The listing of the site on the WQARF Registry does not necessarily represent a determination that the release of a hazardous substance at the site poses a threat to human health or the environment. The Arizona Department of Health Services completed a Health Consultation for the site and determined that there is no public health hazard. As part of the investigation, ADEQ will evaluate potential risks associated with the contamination.

HOW CAN THE PUBLIC BE INVOLVED?

As progress continues at the 56th Street and Earll Drive Site, ADEQ will keep the public informed through newsletters and public meetings.

ADEQ is assembling a Community Advisory Board (CAB) to advise ADEQ and the public of issues and concerns related to remediation of the Site. The purpose of the CAB will be:

- to provide comments to ADEQ on the remedial action plan, and other cleanup and investigation issues related to this site;
- represent a diversified cross section of the community in and around the Site;
- participate in outreach to the community;
- make site visits if desired.

If you would like to apply to be a member of the CAB please fill out and complete the enclosed application. For more information on community involvement activities at the 56th Street and Earll Drive site please call:

Wendy Van Deusen
ADEQ Community Involvement Coordinator
(602) 771-4410 or 1(800) 234-5677.

WHAT ARE WQARF AND THE REGISTRY?

The WQARF Program was established by Arizona law to:

- 1) conduct statewide surface and groundwater monitoring
- 2) study health effects
- 3) perform emergency remedial actions
- 4) conduct long-term remedial action programs

ADEQ established the WQARF Registry to include sites in Arizona where groundwater and/or soil contamination is present. Sites appearing on the WQARF Registry are managed by the WQARF Program for investigation and/or cleanup of contamination. Listing of the site on the WQARF Registry was due in part to the presence of TCE, PCE and arsenic in the groundwater beneath the surface of the site.

WHERE CAN I GET MORE INFORMATION ?

Within 24 hours notice, an appointment to review relating documentation is available Monday through Friday from 8:30 a.m. to 4:30 p.m. at ADEQ Records Management Center, 110 East Washington, Phoenix, Arizona. Please contact 602-771-4380 to schedule an appointment to review these documents.

The project manager assigned to this site is:

Tom Di Domizio
ADEQ, Waste Programs Division
(602) 771-4229 Hearing impaired persons call
ADEQ's TDD line: (602) 771-4829

For further information on this site or other WQARF sites, please visit the ADEQ website at: <http://www.azdeq.gov>. Click on Waste Programs, then click on Superfund programs. Follow the links to get to the information that you need.

GLOSSARY

contamination - Any hazardous substance released into the environment.

extraction well - A well specifically designed to withdraw groundwater or soil gas for treatment.

groundwater - Water found beneath the earth's surface that fills pores between materials such as sand, clay or gravel. In aquifers, groundwater occurs in sufficient quantities that it can be used for drinking water, irrigation and other purposes.

Maximum Contaminant Level - A federally-designated, enforceable standard set to ensure that water is safe for drinking.

remediation - Actions taken to deal with the release of a hazardous substance that could affect people or the environment. The term "cleanup" is sometimes used interchangeably with the terms remedial action, removal action, response action, remedy.

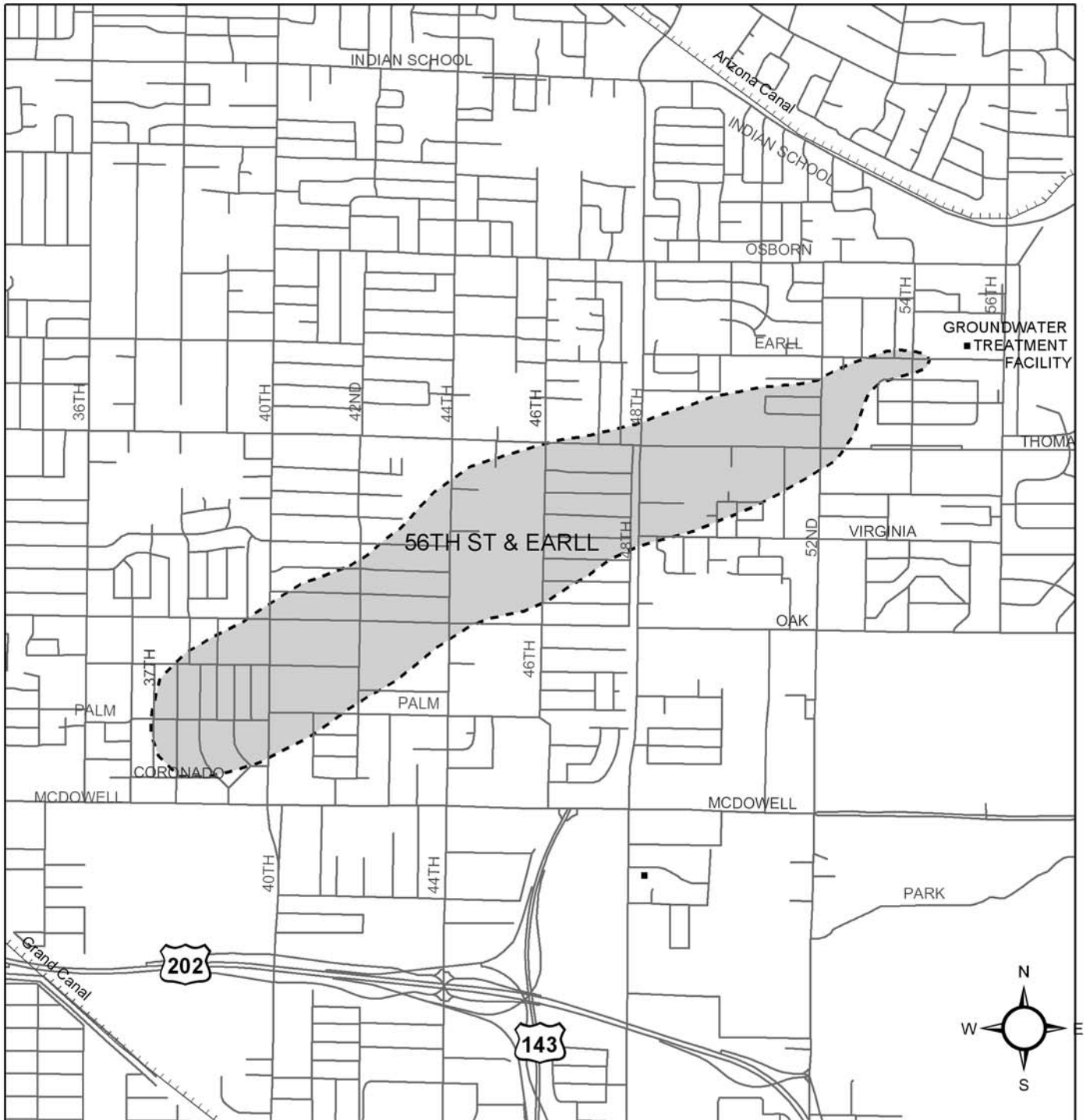
tetrachloroethene (PCE) - A clear, colorless, non-flammable solvent that readily evaporates at room temperature. PCE is widely used for dry cleaning of fabrics and degreasing/drying of metals.

trichloroethene (TCE) - TCE is a nonflammable, colorless solvent that readily evaporates at room temperature. TCE is used mainly for degreasing/drying of metals and cleaning of fabrics.

volatile organic compounds (VOCs) - A large group of carbon-containing chemicals that readily evaporate at room temperature. Examples of VOCs are isopropyl alcohol (rubbing alcohol), acetone (found in some nail polish removers), and the solvents PCE and trichloroethylene (TCE) (used in dry cleaning and metal degreasing).

Water Quality Assurance Revolving Fund (WQARF) - A program administered by ADEQ to (1) conduct statewide surface and groundwater monitoring; (2) study health effects; (3) perform emergency remedial actions; and (4) conduct long-term remedial action programs. Also known as "State Superfund."

56th St. & Earll Dr. WQARF Site



Legend

-  Estimated 56th & Earl Site Boundary
 Groundwater Treatment Facility
 Roads
 Canals

0 500 1,000 2,000
Feet



56th St. & Earll Dr.
WQARF Site Boundary

Phoenix, Arizona
July 2004

Prep: nlc

File: 56earl_registry2004

Review: ka2

Dir: S:\common\wpd\remedial_projects\
superfund\phoenix\projects\56earll



Mailing List Form and Community Advisory Board (CAB) Application 56th Street and Earll Water Quality Assurance Revolving Fund (WQARF) Area

If you would like to be added to the 56th Street and Earll area mailing list, please fill out the top portion of this form and return it to us. If you would like to apply to serve on the Community Advisory Board, please also complete the bottom portion of this form.

First Name: _____ Last Name: _____

Organization / Association: _____

Address: _____ Zip code: _____

Mailing address: (if different from above) _____ Zip code: _____

Email address: _____

Occupation: _____ Employer: _____

Phone numbers: (home:) _____ (work:) _____
(mobile:) _____ (other:) _____

Would you like to receive future mailings in English ☐ or in Spanish? ☐ (please check box)
¿Preferiría recibir envíos por correo en inglés ☐ o en español? ☐ (marque su preferencia)

How long have you lived in / near the 56th Street and Earll area? _____

Are you willing to make a commitment to serve on the CAB for at least 1 year? _____

Are you able to attend at least four meetings a year? _____

What day(s) / time(s) would be best for you to attend meetings? _____

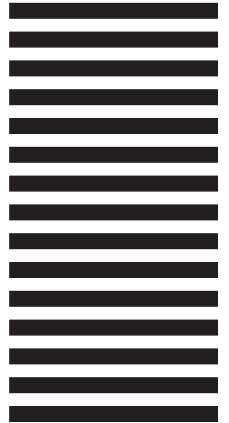
**Please explain why you would like to serve on the Community Advisory Board
(attach a separate sheet if needed):**

Please complete and return this application. Please fold and tape this form before mailing (no staples).

Wendy Van Deusen, Community Involvement Coordinator
Arizona Department of Environmental Quality
1110 W. Washington Street, 4415B-1
Phoenix, AZ 85007-9973



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CONCERNING
56th St. & Earll Water Quality Assurance Revolving Fund
(WQARF) Site



IMPORTANT INFORMATION
FOR YOU FROM